

DN 126:28043

TI Controlled-release microbicides coated with hydrophobic silica powd rs

IN Nishihara, Akira; Pponda, Tsunetoshi; Kawamura, Kyoko

PA Mitsubishi Materials Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

IC ICM A01N055-00

ICS A01N025-26; A01N029-02

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 08277204	A2	19961022	JP 1995-80262	19950405

AB The title microbicides comprise microbicide-contg. droplets coated with hydrophobic ultrafine SiO₂ powders. SiO₂ (prepd. from SiCl₄) with sp. surface area 200 m²/g was treated with 12 wt.% Me₂SiCl₂ at 200.degree. to prep. a hydrophobic SiO₂ powder. An emulsion of (EtO)₃Si(CH₂)₃NHC(:NH)NHC(:NH)NHC6H₄Cl.HCl-p was poured into the SiO₂ powder under stirring to prep. a microbicide, which was added to leaf mold at 10% and left under sunlight for 3 wk to show initial and final living cell no. 8.3 .times. 10³ and 4.5 .times. 10³, resp.